

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
12 May 2005 (12.05.2005)

PCT

(10) International Publication Number
WO 2005/042916 A1

(51) International Patent Classification: **E21B 31/00**
28/00

(21) International Application Number:
PCT/GB2004/004503

(22) International Filing Date: 25 October 2004 (25.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0324744.2 23 October 2003 (23.10.2003) GB

(71) Applicant (for all designated States except US): **ANDER-
GAUGE LIMITED** [GB/GB]; Hareness Road, Altness,
Aberdeen AB12 3LE (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **EDDISON, Alan,**

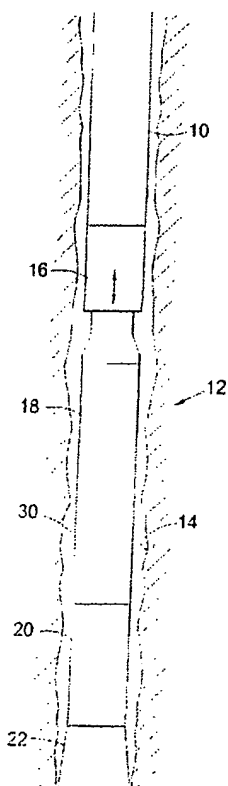
Martyn [GB/GB]; Stanley Cottage, Smiddy Road, Drum-
lithie, Stonehaven AB39 3YS (GB). **ROBERTSON, Leslie**
[GB/GB]; Andergauge Limited, Hareness Road, Altness,
Aberdeen AB12 3LE (GB). **INNES, Richard, Alexander**
[GB/GB]; Andergauge Limited, Hareness Road, Altness,
Aberdeen AB12 3LE (GB).

(74) Agents: **SZCZUKA, Jan, Tymoteusz et al.**; Marks &
Clerk, 19 Royal Exchange Square, Glasgow G1 3AE (GB).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

[Continued on next page]

(54) Title: **RUNNING AND CEMENTING TUBING**



(57) Abstract: A method of running a bore-lining tubing string into a bore comprises running a tubing string, typically a liner string, into a bore while agitating the string. The agitation of the string reduces the friction between the string and the bore wall and thus facilitates the translation of the string into the bore. The agitation may also take place while the tubing is being cemented in the bore. Pressure pulses may be applied to fluid in the bore, which fluid may be cement slurry.

WO 2005/042916 A1



(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SI, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— with international search report